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INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

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COUNTRY Poland

REPORT

SUBJECT Thermal Electric Power Plant
in Walbrzych

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REFERENCES

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SOURCE EVALUATIONS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE.

a report on the thermal electric power
station in Walbrzych (Waldenburg) with sketch showing the plant area. 50X1-HUM

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THERMAL-ELECTRIC POWER PLANT AT WALBRZYH, POLAND

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General Remarks

This is a pre-existing plant whose equipment appears to have been replaced by identical equipment of Czechoslovak make.

Location

Five kilometers west of Walbrzych, on the south side of the road which leads to Walbrzych No. 7 (Kamena Gora).

The first village encountered west of the plant is Kuznize.

The plant area, which includes a coal mine, is about 500 x 500 meters in size.

Description

(The numerals below correspond to those in the sketch map

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1. Fence.
2. Gas storage metal tank, about 12 meters high and 4 meters in diameter; painted ash gray; supplies gas to Walbrzych and its industrial installations.
3. Four-story building, about 15 x 15 meters in size, which houses the plant management and offices.
4. Area in which the "Viktoria" coal mine is located. The coal extracted there is not used as fuel by subject plant because of its low caloric potential. Part of it is used locally to produce the gas stored in the tank described above.

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5. Thermal-electric plant: building about 50 x 10 meters in size, about 20 meters high, with four nearby smokestacks about 25 meters high.

6. Two wooden water cooling towers, about 10 meters high.

7. Railroad siding

8. Transformer station for supplying low-voltage electric power to the nearby mine and surrounding area.

Equipment

The plant has 4 turbines and 8 generators. Only 4 of the generators are in operation; the others are for emergency use. All this equipment bears the Czechoslovak Tezla trade mark and is in good condition.

Capacity and Distribution

100,000 kilowatt-hours per hour. Most of the power produced is exported to Czechoslovakia by means of a 10,000-volt line supported by metal trellises, equipped with 5 insulating discs per cable. The line, however, has a capacity of up to 40,000 volts. Between the plant and the Polish-Czechoslovak border there are 125 trellises, 200 meters apart.

Part of the power produced is transformed and supplied to the nearby coal mines and to the surrounding area as far as ^WSwidnica by means of power lines supported by wooden poles.

Fuel Used

The plant uses coal dust which does not come from the local coal mines but from those in Upper Silesia. The furnaces are fed automatically by means of conveyor belts, etc.

Personnel

The plant employs about 1,000 workers. Those working with the turbines are on 3 shifts; the rest on 2 shifts daily.

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Plant Director

He arrived at the plant recently.

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